AMENDMENTS TO THE CLAIMS:

Claims 1 and 8 are currently amended.

The following listing of claims will replace all prior versions of claims in the present application. No new matter has been added to the claims.

Listing of Claims:

1. (Currently Amended) A double-chamber type heat-treating furnace comprising: a hermetically closable cooling furnace incorporating therein a cooling chamber and arranged for cooling an object after being subjected to heating; a hermetically closable heating furnace incorporating therein a heating chamber disposed at a position adjacent to the cooling chamber and arranged for heating the object; and a transfer unit arranged for transferring the object between the heating chamber and the cooling chamber, wherein

the transfer unit comprises:

2. (Previously Presented) The double-chamber type heat-treating furnace according to claim 1, wherein the push-pull member comprises an engaging member capable of turning up to a higher position thereof where it is engaged with the object to horizontally push and

pull the object, and lying down to a lower position thereof where it moves horizontally without being engaged with the object.

- 3. (Previously Presented) The double-chamber type heat-treating furnace according to claim 2, wherein the drive unit comprises: a horizontally movable chain connected to a rearmost end of the push-pull member and being capable of horizontally moving; a sprocket engaged with the horizontally movable chain; and a rotational motor that rotationally drives the sprocket.
- 4. (Previously Presented) The double-chamber type heat-treating furnace according to claim 1, wherein the cooling furnace comprises: a carrying-in/out door for the cooling chamber, which is arranged on a side opposite to the side on which the heating chamber is provided and is arranged for carrying the object into and out of the cooling chamber; and a gas-cooling/circulating unit for cooling chamber, which cools and circulates a gas vertically passing through an inside of the cooling chamber;

the cooling chamber is provided for surrounding a cooling region in which the object is permitted to be steadily placed and defining, in an inside of the cooling region, and having a gas passageway with a constant cross-section in a vertical direction.

5. (Previously Presented) The double-chamber type heat-treating furnace according to claim 1, wherein the heating furnace comprises: a vacuum container of which an interior is exhausted to at vacuum; a heating chamber capable of receiving therein the object; a front door for introducing and delivering the object into and from the heating chamber, a rear door for closing an opening provided for permitting, therethrough, the object within the heating chamber to be moved, a mounting bed for mounting thereon the object to be horizontally movable back and forth, and a heater arranged for heating the object.

- 6. (Previously Presented) The double-chamber type heat-treating furnace according to claim 5, wherein the heating furnace further comprises a gas-cooling/circulating device for heating chamber, which cools and circulates a gas passing through an inside of the heating chamber.
- 7. (Previously Presented) The double-chamber type heat-treating furnace according to claim 5, wherein the heating furnace comprises a carrying-in/out door for heating furnace, which is disposed on a side opposite to the side on which the cooling chamber is disposed and is arranged for performing carrying-in of or carrying-out of the object.
- 8. (Currently Amended) A-<u>The</u> double-chamber type heat-treating furnace according to claim 1, eomprising a cooling furnace for cooling an object, a heating furnace for heating the object, and a transfer unit for transferring the object between the cooling furnace and the heating furnace, wherein the transfer unit, the heating furnace and the cooling furnace are arranged in order.